CHECKLIST #0240 FOR THE APPROVAL OF: LOUVERS (INCLUDES GABLE END LOUVERS)

- ❑ Basic Requirements Checklist.

- ❑ One set of the manufacturer's 'approval document' including:
  a) Material specification, size, thickness and dimensions of the product, and
  b) Method of installation and attachment, matching the tested installation.

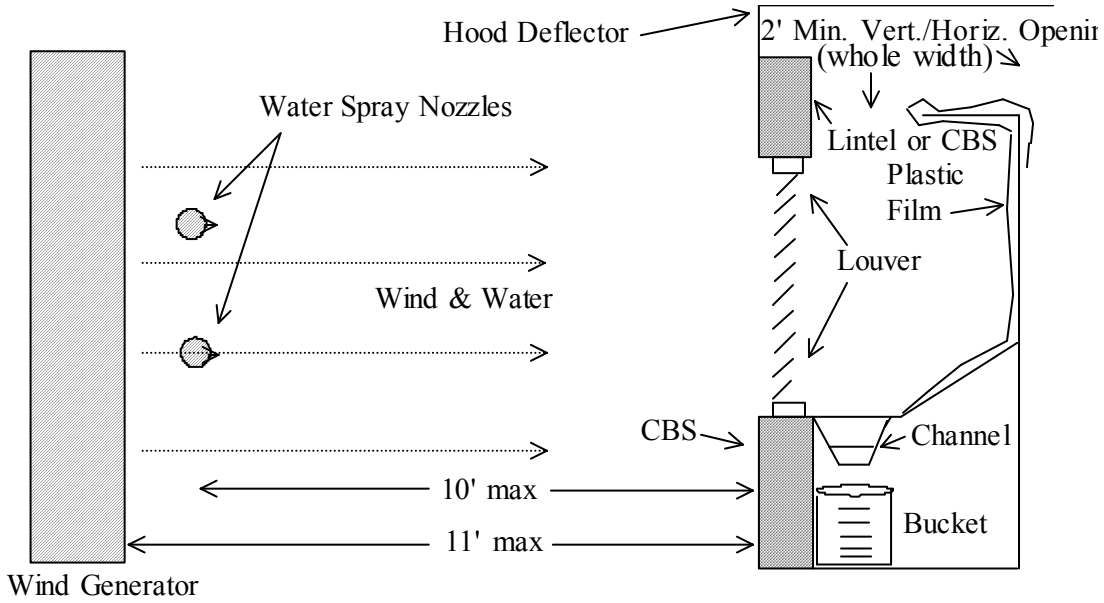
- ❑ Calculations verifying the anchor system of the louver to the structure.

- ❑ One set of manufacturer's design drawings marked and verified by the testing laboratory.

The following current laboratory tests and test reports in compliance with protocol PA 301.

If the louver is to be installed in a location where the room behind the louver is not designed to drain water penetrating into the room, or the room will house non-water resistant equipment, components, or supplies, the following test shall be performed.

- ❑ Wind Driven Rain test per PA 100(A)- 94 with the following modifications:
  1) Testing shall be done using a vertical test frame consisting of CBS blocks.
  2) All fasteners used shall have Dade County Product Control Approval.
  3) For installations up to 33' in elevation, use Table 1 in PA100 (A).
  4) For installations above 33' in elevation, the values on Table 1 &2 in PA100 (A) shall be followed. Values in Table 3 of PA100 (A) shall be used to convert wind speed into height.
  5) There shall not be any water infiltration at a wind speed of 70 mph.
  6) At speeds above 70 mph, only 0.05% of the total water applied is allowed to penetrate the interior plane of the louver.
  7) The test set-up shall be configured in the following manner:



If the louver is to be installed in a location where the room behind the louver is designed to drain water penetrating into the room, and the room will house water resistant/water proof equipment, components, or supplies, the following test shall be performed.

- ❑ PA202; structural loads only. The test sample shall be considered completely closed for the purpose of load distribution to anchoring of the louver system.

If the room behind louver is not designed as an open structure, the following tests shall be performed. (Operable louvers require these tests.)

- ❑ PA201 and PA203.

Notes:

1. If the louver has plastic as a component, add the Plastic Checklist to these requirements.
2. The following equation may be used to calculate the allowable cycle time for specimens larger than 75 ft^2 and with a width of more than 20 ft. and/or height of more than 8 ft.
   Maximum allowable cycle time for
   specimens over 75 ft^2 = (area of specimen – 75) x (0.06) +3 seconds
   Maximum allowable cycle time for this equation is not to exceed 10 seconds.